

COMBINED DECLARATION AND POWER OF ATTORNEY

This declaration is of the following type:

- ☐ original ☐ design ☐ supplemental
☒ national stage of PCT
☐ divisional ☐ continuation ☐ continuation-in-part

As a below named inventor, I hereby declare that

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor (*if only one name is listed below*) or an original, first, and joint inventor (*if plural names are listed below*) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ELECTROCHEMICAL ETCHING METHOD AND APPARATUS AND PRODUCT
MANUFACTURED THEREBY

the specification of which:

- ☐ is attached hereto.
☐ was filed on _____ as Serial No. _____ and was amended on _____ (*if applicable*).
☒ was described and claimed in PCT International Application No. PCT/JP00/03307 filed on May 24, 2000 and as amended pursuant to PCT Article 19 on _____ (*if any*).

I state that I have reviewed and understand the contents of the specification identified above, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to the examination of the application identified above in accordance with 37 CFR §1.56.

I claim foreign priority benefits pursuant to 35 USC §119(a) of any foreign application(s) for patent or inventor's certificate or of any PCT international patent application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent, utility model, design registration, or inventor's certificate or any PCT international patent application(s) designating at least one country other than the United States of America filed by me for the same invention and having a filing date before that of the application(s) from which the benefit of priority is claimed.

| PRIOR FOREIGN PATENT, UTILITY MODEL, AND DESIGN REGISTRATION APPLICATIONS, BENEFIT CLAIMED UNDER 35 USC §119(a) | | | | | |
|---|---------------------------|-----------------------------------|---------------------------------------|--|----|
| COUNTRY | PRIOR FOREIGN APPLICATION | DATE OF FILING (day, month, year) | PRIORITY CLAIMED UNDER 35 USC §119(a) | | |
| | | | YES | | NO |
| | | | YES | | NO |
| | | | YES | | NO |

I claim the benefit pursuant to 35 USC §119(e) of the following United States provisional patent application(s):

| PRIOR U.S. PROVISIONAL PATENT APPLICATIONS, BENEFIT CLAIMED UNDER 35 USC §119(e) | |
|---|------------------------------------|
| APPLICATION NO. | DATE OF FILING (day,month,year) |
| | |
| | |
| | |

I claim the benefit pursuant to 35 USC §120 of any United States patent application(s) or PCT international patent application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this patent application is not disclosed in the prior patent application(s) in the manner provided by the first paragraph of 35 USC §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56 effective between the filing date of the prior patent application(s) and the national or PCT international filing date of this patent application.

| PRIOR U.S. PATENT APPLICATIONS OR PCT INTERNATIONAL PATENT APPLICATIONS DESIGNATING THE U.S., BENEFIT CLAIMED UNDER 35 USC §120 | | | | | |
|---|------------------|------------------------------------|--------------------|---------|-----------|
| U.S. PATENT APPLICATIONS | | | Status (check one) | | |
| SERIAL NUMBER | U.S. FILING DATE | | PATENTED | PENDING | ABANDONED |
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| PCT APPLICATIONS DESIGNATING THE U.S. | | | Status (check one) | | |
| PCT APPLICATION NO. | PCT FILING DATE | U.S. SERIAL NOS. ASSIGNED (if any) | PATENTED | PENDING | ABANDONED |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |

As a named inventor, I appoint the following attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected with this patent application.

John M. Belz, Reg. 30,359
Jeffrey A. Wyand, Reg. 29,458
Jeremy M. Jay, Reg. 33,587

Michael H. Tobias, Reg. 32,948
Gregory A. Hunt, Reg. 41,085

Patrick R. Jewik, Reg. 40,456
Joseph S. Ostroff, Reg. 39,321

I further direct that correspondence concerning this application be sent to:

LEYDIG, VOIT & MAYER, LTD.
700 Thirteenth Street, N.W., Suite 300
Washington, D.C. 20005
Telephone (202) 737-6770

I authorize my attorneys to accept and follow instructions from _____ regarding any matter related to the preparation, examination, grant, and maintenance of the patent application identified above, any continuation, continuation-in-part, or divisional patent application based on the patent application identified above, and any patent issuing from that patent application, until I or my assigns withdraw this authorization in writing.

I declare that all statements made herein of my own knowledge are true, that all statements made on information and belief are believed to be true, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

100
Full name of sole or first inventor: Shinichi IZUO

Inventor's signature Shinichi Izuo

Date 10/16/2001

Country of Citizenship: Japan

Residence: Tokyo, Japan JPX

Post Office Address: c/o Mitsubishi Denki Kabushiki Kaisha, 2-3, Marunouchi 2-chome,
Chiyoda-ku, TOKYO 100-8310 JAPAN

Full name of second joint inventor, if any: Hiroshi OHJI

2
Inventor's signature Hiroshi Ohji

Date 10/19/2001

Country of Citizenship: Japan

Residence: Tokyo, Japan JPX

Post Office Address: c/o Mitsubishi Denki Kabushiki Kaisha, 2-3, Marunouchi 2-chome,
Chiyoda-ku, TOKYO 100-8310 JAPAN

3-8
Full name of third joint inventor, if any: Kazuhiko TSUTSUMI

Inventor's signature Kazuhiko Tsutsumi

Date 10/19/2001

Country of Citizenship: Japan

Residence: Tokyo, Japan JPX

Post Office Address: c/o Mitsubishi Denki Kabushiki Kaisha, 2-3, Marunouchi 2-chome,
Chiyoda-ku, TOKYO 100-8310 JAPAN

Full name of fourth joint inventor, if any: Patrick James FRENCH

Inventor's signature *P. J. French*

Date 27/10/01

Country of Citizenship: Ireland

Residence: Delft, Netherlands NLX

Post Office Address: Koetlaan 40, NL-2625 KS Delft, Netherlands

Full name of fifth joint inventor, if any:

Inventor's signature _____

Date _____

Country of Citizenship:

Residence:

Post Office Address:

Full name of sixth joint inventor, if any:

Inventor's signature _____

Date _____

Country of Citizenship:

Residence:

Post Office Address:

Full name of seventh joint inventor, if any:

Inventor's signature _____

Date _____

Country of Citizenship:

Residence:

Post Office Address: